

REMARKS

Claims 7, 8, 12 and 13 have been amended by being rewritten in independent form, claims 1 to 6, 10, 11 and 18 have been canceled and claims 9, 14 to 17 and 19 to 22 have been allowed. Claims 7 to 9, 12 to 17 and 19 to 22 remain active in this application. Please charge any costs to Deposit Account No. 20-0668.

Claims 7, 8, 12 and 13 were rejected under 35 U.S.C. 103(a) as being unpatentable over Ong (U.S. 5,490,175). The rejection is respectfully traversed.

While the placement of a band pass filter prior to the low noise amplifier is admittedly old in the art, there is no teaching or suggestion in the cited references to place such a filter between the low noise amplifier and the mixer (claims 7 and 12) or after the mixer (claims 8 and 13) and such application of the filters in the present art is not obvious. As stated at page 13, lines 21ff, the band pass filter 58 at the output of the LNA removes undesirable signals which can be presented to the mixer, such as those generated by microwave ovens and other wireless transmission signal sources. There is no showing that this problem has been recognized in the art and there is clearly no showing in the record that this problem has been resolved or resolved in the manner as claimed. With reference to the band pass filter after the mixer, not only is such a filter not taught or suggested by the prior art, but this filter also now requires that it have a narrow band width relative to the first band pass filter. No such feature is taught or suggested by the cited references.

In view of the above remarks, favorable reconsideration and allowance are respectfully requested.

Respectfully submitted,



Jay M. Cantor
Attorney for Applicant(s)
Reg. No. 19,906

Texas Instruments Incorporated
P. O. Box 655474, MS 3999
Dallas, Texas 75265
(301) 424-0355 (Phone)
(972) 917-5293 (Phone)
(301) 279-0038 (Fax)